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| Form PTO-1449<br>(Reproduced)  |  |  | Docket Number (Optional)<br><b>CH2756 DIV</b> |  | Application Number<br><b>09/795,933</b> |  |
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> |  |  | Applicant<br><b>JAMES M. HOWELL ET AL.</b>    |  |   |  |
|  |  |  | Filing Date<br><b>FEBRUARY 28, 2001</b>       |  | Group Art Unit<br><b>1774</b>           |  |

  

| U. S. PATENT DOCUMENTS |                 |          |                 |       |          |                               |
|------------------------|-----------------|----------|-----------------|-------|----------|-------------------------------|
| EXAMINER<br>INITIAL    | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                        | 3,350,871       | 11/07/67 | Pierce et al.   | 57    | 140      |                               |
|                        | 3,681,188       | 08/01/72 | M. E. Harris    | 161   | 173      |                               |
|                        | 3,816,486       | 06/11/74 | O. R. Vail      | 260   | 75 R     |                               |
|                        | 3,584,103       | 06/08/71 | M. E. Harris    | 264   | 168      |                               |
|                        | 4,475,330       | 10/09/84 | Kimura et al.   | 57    | 245      |                               |
|                        | 5,340,909       | 08/23/94 | Doerr et al.    | 528   | 276      |                               |
|                        | 5,645,782       | 07/08/97 | Howell et al.   | 264   | 103      |                               |
|                        | 5,782,935       | 07/21/98 | Hirt et al.     | 8     | 512      |                               |
|                        | 5,885,909       | 03/23/99 | Rudisill et al. | 442   | 82       |                               |
|                        | 6,023,926       | 02/15/00 | W. J. Flynn     | 57    | 210      |                               |
|                        | 6,033,777       | 03/07/00 | W. Best         | 428   | 364      |                               |

  

| FOREIGN PATENT DOCUMENTS |                 |          |               |       |               |             |    |
|--------------------------|-----------------|----------|---------------|-------|---------------|-------------|----|
|                          | DOCUMENT NUMBER | DATE     | COUNTRY       | CLASS | SUB-<br>CLASS | TRANSLATION |    |
|                          |                 |          |               |       |               | YES         | NO |
|                          | 0 049 412       | 04/10/85 | EP            |       |               |             |    |
|                          | 0 745 711 A1    | 12/04/96 | EP            |       |               |             |    |
|                          | 1 016 741 A1    | 07/05/00 | EP            |       |               |             |    |
|                          | 1,075,689       | 07/12/67 | Great Britain |       |               |             |    |
|                          | 1,165,312       | 09/24/69 | Great Britain |       |               |             |    |

  

| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> |  |
|---|--|
|   | H. L. Traub, "Synthese und textilchemische Eigenschaften des Poly-Trimethyleneterephthalats", <i>Dissertation Universität Stuttgart</i> , (1994) (English Translation) |
|   | Katsuhiko et al., "Elastic Moduli of Poly(trimethylene terephthalate) in the Crystalline Region", <i>Zairyo (Material)</i> , 35, No. 396, 106-110, (1986)              |
|   | W. Oppermann et al., "Fibers Made of Poly(trimethylene terephthalate)", <i>Dornbirn</i> , (1995)   |

  

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IN AN APPLICATION**  
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Docket Number (Optional)

CH2756 DIV

Application Number

09/795,933

Applicant

JAMES M. HOWELL ET AL.

Filing Date

FEBRUARY 28, 2001

Group Art Unit

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**U. S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME              | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|---------|-------------------|-------|----------|-------------------------------|
|                     | 3,584,103       | 5-1-69  | Harris            | 264   | 168      |                               |
|                     | 3,671,379       | 3-9-71  | Evans et al.      | 161   | 173      |                               |
|                     | 5,250,245       | 2-10-93 | Collins et al.    | 264   | 103      |                               |
|                     | 6,109,015       | 7-7-98  | Roark et al.      | 57    | 290      |                               |
|                     | 3,984,600       | 10/76   | Kawase et al.     | 428   | 364      |                               |
|                     | 5,662,980       | 9/97    | Howell et al.     | 428   | 97       |                               |
|                     | 5,968,640       | 10/99   | Aneja             | 428   | 364      |                               |
|                     | 6,071,612       | 6/2000  | Roderiquez et al. | 428   | 364      |                               |
|                     | 4,475,300       | 10/84   | Kimura et al.     | 428   | 364      |                               |

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|  | DOCUMENT NUMBER | DATE     | COUNTRY       | CLASS | SUB-<br>CLASS | TRANSLATION |    |
|--|-----------------|----------|---------------|-------|---------------|-------------|----|
|  |                 |          |               |       |               | YES         | NO |
|  | 1,254,826       | 11/24/71 | Great Britain |       |               |             |    |
|  | 1,408,094       | 10/01/75 | Great Britain |       |               |             |    |
|  | 5-71013         | 03/23/93 | Japan         |       |               | X           |    |
|  | 11-12824        | 01/19/99 | Japan         |       |               | X           |    |
|  | 11-93026        | 04/06/99 | Japan         |       |               | X           |    |

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|  | H. L. Traub et al., "Mechanical Properties of Fibers Made of Polytrimethylene Terephthalate", <i>Chemical Fibers International (CFI)</i> , 45, 110-111, (1995) |
|  | H. L. Traub, "Dyeing Properties of Poly(Trimethylene Terephthalate) Fibres, <i>Melliand</i> , (1995)   |
|  | Degussa Trade Literature (Estimated 1994),   |

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**CH2756 DIV**

Application Number

**09/795,933**

Applicant

**JAMES M. HOWELL ET AL.**

Filing Date

**FEBRUARY 28, 2001**

Group Art Unit

**1774**

**U. S. PATENT DOCUMENTS**

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|---------------------|------------------|----------------|---------------|------------|------------|--|
|                     | <b>6,066,714</b> | <b>5/23/00</b> | <b>Putzig</b> | <b>528</b> | <b>279</b> | <b>CIP of USSN<br/>09/062,463,<br/>4/17/98</b> |

**FOREIGN PATENT DOCUMENTS**

|  | DOCUMENT NUMBER  | DATE            | COUNTRY      | CLASS | SUB-<br>CLASS | TRANSLATION |    |
|--|------------------|-----------------|--------------|-------|---------------|-------------|----|
|  |                  |                 |              |       |               | YES         | NO |
|  | <b>11-93031</b>  | <b>04/06/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-93049</b>  | <b>04/06/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-100721</b> | <b>04/13/00</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-107036</b> | <b>04/20/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-107038</b> | <b>04/20/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-107081</b> | <b>04/20/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-107154</b> | <b>04/20/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-172526</b> | <b>06/29/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-181626</b> | <b>07/06/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-181650</b> | <b>07/06/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-189920</b> | <b>07/13/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-200143</b> | <b>07/27/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-200175</b> | <b>07/27/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>11-229276</b> | <b>08/24/99</b> | <b>Japan</b> |       |               | <b>X</b>    |    |
|  | <b>98/23662</b>  | <b>06/04/98</b> | <b>WIPO</b>  |       |               |             |    |

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|--|---|
|  | U.S. Patent Application No. 09/062, 463, filed 04/17/98 (Docket# CH2635)                |
|  | U.S. Patent Application No. 09/273,288, filed 3/19/99 (Docket# CL1283)                  |
|  | U.S. Patent Application No. 09/708,209, filed 08/11/00 (Docket# RD7850 non-provisional) |
|  | U.S. Patent Application No. 60/165,373, filed 11/12/99 (Docket# RD7850 PROVISIONAL)     |
|  | U.S. Patent Application No. 09/500,340, filed 02/08/00 (Docket# RD7160)                 |
|  | U.S. Patent Application No. 09/501,700, filed 02/11/00 (Docket# RD7590)                 |

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| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> |  | Applicant<br><b>JAMES M. HOWELL ET AL.</b>    |  |   |  |
|  |  | Filing Date<br><b>FEBRUARY 28, 2001</b>       |  | Group Art Unit<br><b>1774</b>           |  |

  

| U. S. PATENT DOCUMENTS |                 |      |      |       |          |                               |
|------------------------|-----------------|------|------|-------|----------|-------------------------------|
| EXAMINER<br>INITIAL    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                        |                 |      |      |       |          |                               |

  

| FOREIGN PATENT DOCUMENTS |                 |          |         |       |               |             |    |
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|                          | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION |    |
|                          |                 |          |         |       |               | YES         | NO |
|                          | 98/27168        | 06/25/98 | WIPO    |       |               |             |    |
|                          | 99-11709        | 03/11/99 | WIPO    |       |               | X           |    |
|                          | 99-11845        | 03/11/99 | WIPO    |       |               | X           |    |
|                          | 99/39041        | 01/28/99 | WIPO    |       |               | X           |    |
|                          | 00/22210        | 04/20/00 | WIPO    |       |               | X           |    |
|                          | 2000-26301      | 05/11/00 | WIPO    |       |               | X           |    |
|                          | 00/29653        | 05/25/00 | WIPO    |       |               | X           |    |

  

| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> |  |
|---|--|
|   | U.S. Patent Application No. 09/502,641, filed 02/11/00 (Docket# RD7605)      |
|   | U.S. Patent Application No. 09/503,599, filed 02/11/00 (Docket# RD7585)      |
|   | U.S. Patent Application No. 09/505,789, filed 02/17/00 (Docket# CL1400)      |
|   | U.S. Patent Application No. 09/518,759, filed 03/03/00 (Docket# DP6535)      |
|   | U.S. Patent Application No. 09/795,518, filed 02/28/01 (Docket# DP6535 CIP)  |
|   | U.S. Patent Application No. 09/795,520, filed 02/28/01 (Docket# DP6535 CIP1) |
|   | U.S. Patent Application No. 09/587,886, filed 06/06/00 (Docket# AD6617)      |

  

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| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i>  |                 |  |                 | Applicant<br><b>JAMES M. HOWELL ET AL.</b> |                       |
|   |                 |  |                 | Filing Date<br><b>FEBRUARY 28, 2001</b>    |                       |
|   |                 |  |                 | Group Art Unit<br><b>1774</b>              |                       |
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| <b>FOREIGN PATENT DOCUMENTS</b>   |                 |  |                 |  |                       |
|   | DOCUMENT NUMBER | DATE   | COUNTRY         | CLASS                                      | SUB-CLASS             |
|   |                 |  |                 |  | TRANSLATION<br>YES NO |
|   | 8-232117        | 2-23-95  | Japan           |  | X                     |
|   | 8-311177        | 5-16-95  | Japan           |  | X                     |
|   | 9-78373         | 9-7-95   | Japan           |  | X                     |
|   | 11-93036        | 9-12-97  | Japan           |  | X                     |
|   | 11-93037        | 9-12-97  | Japan           |  | X                     |
|   | 11-93038        | 9-19-97  | Japan           |  | X                     |
|   | 11-107081       | 10-2-97  | Japan           |  | X                     |
|   | 11-172536       | 9-9-98   | Japan           |  | X                     |
|   | 52-8123         | 7-3-75   | Japan           |  | X                     |
|   | 52-8124         | 7-5-75   | Japan           |  | X                     |
|   | 56-200227       | 12-14-81                                       | Japan           |  | X                     |
|   | 57-193534       | 4-28-81  | Japan           |  | X                     |
|   | 58-104216       | 12-14-81                                       | Japan           |  | X                     |
|   | 1996-067992     | 12-19-96                                       | Korea           |  | X                     |
|   | WO 00/39374     | 12-27-99                                       | WIPO            |  | X                     |
| <b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>  |                 |  |                 |  |                       |
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|------------------------|-------------------|
| Application Number     | 09/795,933        |
| Filing Date            | FEBRUARY 28, 2001 |
| First Named Inventor   | JAMES M. HOWELL   |
| Group Art Unit         | 1774              |
| Examiner Name          | EDWARDS (PARENT)  |
| Attorney Docket Number | CH-2756DIV        |

## U.S. PATENT DOCUMENTS

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | Application Number       | 09/795,933        |
|   |   | Filing Date              | FEBRUARY 28, 2001 |
|   |   | First Named Inventor     | JAMES M. HOWELL   |
|   |   | Group Art Unit           | 1774              |
|   |   | Examiner Name            | EDWARDS (PARENT)  |
|   |   | Attorney Docket Number   | CH-2756DIV        |
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| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS |                          |   |                |
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| Examiner<br>Initials *                            | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|   |                          | International Search Report dated August 13, 2001 from counterpart PCT/US01/06565   |                |
|   |                          | Patent Abstracts of Japan - JP 2001 - 020136 (from Japanese Patent Office Web Site)   |                |
|   |                          | European Patent Office XP-002172707 - Abstract of WO 01/104393  |                |
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Application Number

09/795.933

Filing Date

February 28, 2001

First Named Inventor

James M. Howell, et al.

Group Art Unit

1774

Examiner Name

Edwards (Parent)

Attorney Docket Number

CH-2756 US DIV

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